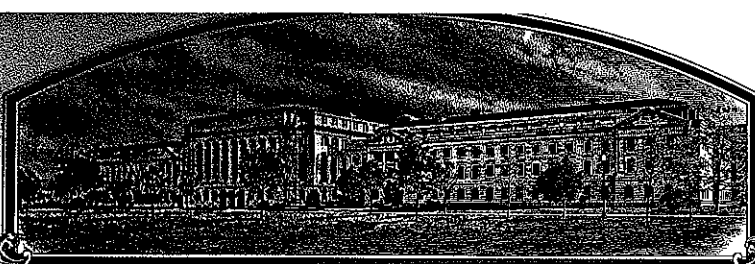


No.

200700081



# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

**California Cooperative Rice Research Foundation, Inc.**

*Whereas*, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'L-206'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of November, in the year two thousand and seven.*

*Attest:*

*[Signature]*

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*[Signature]*

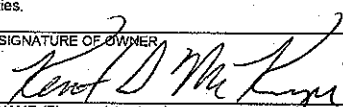
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER California Cooperative Rice Research Foundation		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 99-Y-469		3. VARIETY NAME L-206	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Rice Experiment Station PO Box 306, 955 Butte City Hwy. Biggs, CA 95917		5. TELEPHONE (include area code) 530-868-5481		FOR OFFICIAL USE ONLY PVPO NUMBER <b>#200700081</b> FILING DATE DECEMBER 28, 2006	
		6. FAX (include area code) 530-868-1730			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Non Profit Organization		8. IF INCORPORATED, GIVE STATE OF INCORPORATION CA		9. DATE OF INCORPORATION 1912	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Dr. Kent S. McKenzie Director Rice Experiment Station PO Box 306 Biggs, CA 95917				FILING AND EXAMINATION FEES: \$ 4,382.00 DATE 12/28/06 CERTIFICATION FEE: \$ 768.00 DATE 10/28/07	
11. TELEPHONE (include area code) 530-868-5481		12. FAX (include area code) 530-868-1730		13. E-MAIL ksmckenzie@crrf.org	
14. CROP KIND (Common Name) Rice		16. FAMILY NAME (Botanical) Gramineae		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP Oryza sativa L.		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input checked="" type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input checked="" type="checkbox"/> Filing and Examination Fee (\$4,382), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)				20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER		SIGNATURE OF OWNER 			
NAME (Please print or type)		NAME (Please print or type) Kent S. McKenzie			
CAPACITY OR TITLE		CAPACITY OR TITLE Director / SECRETARY		DATE December 19, 2006	

(See reverse for instructions and information collection burden statement)

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

**Plant Variety Protection Office**

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvpindex.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

**ITEM**

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.) Foundation seed is maintained by the Rice Experiment Station (RES). Normal seed multiplication starts with head-row seed used for breeders which in turn is used to plant foundation. Headrow seed is produced as necessary. RES policy allows foundation seed to be used to produce Foundation seed when approved by CCRRF.

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.) L-206 was jointly released by the California Co-op Rice Research Fdn, California Agricultural Exp. Station, and the USDA-ARS. Foundation will be distributed to the California rice seed growers April 1, 2006 for the purpose of producing registered seed.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Tentative plans are to seek a utility patent for L-206.

US Patent no. 11/674,284 filed 2/13/2007.

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

**'L-206' RICE****19. Exhibit A. Origin and Breeding History of the Variety**

**1- Genealogy:** L-206 is a very early to early maturing, glabrous, semidwarf, long-grain variety originated from the cross R17864 made at the Rice Experiment Station (RES), Biggs, CA in 1992. Its pedigree is 'L-203'/9039614. L-203 is an early maturing semidwarf long-grain cultivar released by the California Cooperative Rice Research Foundation (CCRRF) in 1992. The male parent, 9039614 is an F<sub>6</sub> selection from the cross 'Lemont'/3/R1588/'L-201'//R1588/'Labelle'. Lemont is a semidwarf long-grain cultivar developed by the USDA-ARS at the Rice Research Station, Beaumont Texas. R1588 is a selection of a cross between an unknown introduction PI321161 and a long-grain selection from RES, designated as 7232278. L-201 is an intermediate height variety released by CCRRF in 1979. Labelle is a very early long-grain variety with good cooking and milling qualities released by USDA-ARS, Beaumont, Texas in 1973. Pedigree breeding method was used for the development of L-206. F<sub>1</sub> and F<sub>2</sub> generations were advanced in 1992 and 1993, respectively in the RES nursery.

**2- Selection and Multiplication:** Selection was made for improved agronomic characteristics (early maturity and grain yield) and improved long grain cooking quality under California growing conditions. Panicle selections and generation advance was made through F<sub>5</sub> until 1996. In 1997 an F<sub>6</sub> line designated as 9732217 was bulked and tested in small plot test in 1998 and in preliminary yield tests in 1999 as 99-Y-469. Subsequently this line was tested in the four location very early group of UCCE Statewide yield tests from 2000 to 2005 and in all off-station locations in 2005. Headrow purification and increase was made in 2002 and 2003 Hawaii winter nurseries and 2003-2004 RES nursery. There were 192 headrows grown in 2004 that were used to plant 2005 foundation field.

**3- Uniformity and Stability:** Approximately 145 cwt of foundation seed was produced in 2005, and the field inspected and approved by California Crop Improvement Association (CCIA). Sufficient purified breeder seed was produced in 2005 to produce foundation seed in 2006. Visual inspection (seedling vigor, heading date, plant height, grain shape, etc.) of headrows was used as criteria to confirm cultivar purity. This is the standard procedure used at RES to monitor and maintain breeder seed of currently grown California rice cultivars. Classes of seed will be breeder, foundation, registered, and certified seed produced in California. Foundation seed can be used to produce foundation seed if necessary and headrow and breeder seed will be produced in foundation fields as necessary to maintain cultivar purity. L-206 has been observed in seed increase and production fields for 4 generations (2002-2005) and found to be uniform and stable.

**4- Variants:** The foundation field and headrows were rogued multiple times and off-types, putative out crosses, and other visual variants were removed from the field. These included medium grains, taller long grains, pubescent long-grain outcrosses, and pubescent medium-grain outcrosses (in a frequency of less than 0.01%) which were rogued from the headrow, breeder, and foundation fields.

## 19. Exhibit B. Statement of Distinctiveness

**1-Variety Differences:** L-206 is a long-grain rice that can be classified as Gramineae, *Oryza sativa* L., and a tropical japonica. It is a photoperiod insensitive, early maturing semidwarf cultivar. L-206 is most similar to L-204. L-206 has been released to serve the California long-grain market. Long-grain production in the state has been limited primarily to warmer regions. Earlier maturity of this variety favors its production in more regions including the cooler rice growing areas of California. L-206 is significantly earlier than current varieties L-204 and L-205.

Improved cooking quality is also a major justification for the release of L-206. Previous California conventional long-grain varieties such as L-204 have had limited acceptability in the US long grain market due to their softer and stickier cooked grain texture. Results of RVA analysis have shown that L-206 has a higher 'setback' value than L-204. Higher RVA setback indicates less sticky cooked grain texture. Two other important quality parameters, apparent amylose and alkali spreading value, remain the same for L-206 and L-204. Apparent amylose content of L-206 is the same as L-204 and similar to the traditional southern long-grain varieties, averaging 22.8 percent. L-206 and L-204 both have intermediate type alkali spreading values which is also the characteristic of a conventional US long grain cooking characteristics. The primary difference in the cooking qualities of L-206 and L-204 is the amylographic profile shown by RVA values. L-205 variety with even a higher setback than L-206 has a harder cooked grain texture. However, L-205 is a special purpose type, which due to its higher amylose content cooks harder than conventional long-grain types and is primarily used for canning.

**2- Statistical data:** Agronomic and milling data from six years of testing at RES is presented in Table 1. Agronomic data is part of the very early group of the multiple location University of California Cooperative Extension (UCCE) Statewide Yield Testing program that was conducted during 2000 to 2005.

Cooking quality characteristics of L-204, L-205, and L-206 were measured using standard physicochemical test at the USDA-ARS Rice Research Unit, Beaumont, Texas from 2000 to 2005. Table 2 shows the results and differences among these varieties.

**Table 1.** Agronomic and milling characteristics of L-206, L-204 and L-205, from 2003 to 2005 tests at RES, Biggs, California.

Character	Year	L-206	L-204	L-205	LSD
Seedling Vigor Score <sup>1</sup>	2003	4.7	4.9*	4.8	0.18
	2004	4.6	4.8*	4.7	0.16
	2005	4.7	4.8	4.7	0.2
Days to 50% Heading	2003	73	77*	77*	2.7
	2004	79	84*	85*	3.8
	2005	76	79*	84*	2.7
Plant Height (cm)	2003	85	85	92*	6
	2004	86	87	99*	5
	2005	91	90	94	6
Grain Yield (14% moisture, lb/acre)	2003	9340	9480	9370	610
	2004	10930	10830	10350	1130
	2005	8400	8140	8920	1010
Lodging (%)	2003	28	1	36	NS
	2004	28	1*	56*	26
	2005	25	1	6	27
Head Rice Yield (%)	2003	65	69*	66	3
	2004	65	65	64	2
	2005	60	64*	63*	3
Greenhouse Blanking (%)	2003	5	20*	7	11
	2004	5	8	8	9
	2005	15	15	8*	6
Stem Rot Score <sup>2</sup>	2003	6.1	5.9	5.2*	0.7
	2004	9.1	7.2*	8.7	0.6
	2005	6.3	6.5	5.9*	0.4

<sup>1</sup> Seedling Vigor visual score where 1= poor and 5=excellent.

<sup>2</sup> Stem rot score where 0=no damage and 10=plant killed.

\* Significantly different from L-206 at the 0.05 probability level

**Table 2.** Physicochemical characteristics of L-206, L-205, and L-204 of 2003 to 2005 samples from RES, Biggs, California.\*\*

Year	Variety	RVA				Amylose	Alkali	Subjective texture score
		Peak	Hot Paste	Cool Paste	Set back			
2003	L-206	225	160	286	61	22.9	5	2.5
	L-205	241	194	330	85	23.3	6	2.0
	L-204	236	170	280	44	22.9	5	4.0
2004	L-206	260	152	297	37	22.8	5	2.5
	L-205	288	192	365	76	24.9	6	2.0
	L-204	271	157	289	18	22.5	5	3.5
2005	L-206	272	171	312	40	22.3	5	2.5
	L-205	267	186	363	95	24.1	6	2.1
	L-204	263	160	289	26	22.4	5	3.5
Mean	L-206	252	161	298	46	22.7	5	2.5
	L-205	265*	191*	353*	85*	24.1*	6*	2.0
	L-204	257	162	286	29*	22.6	5	3.7*

\* Over all year means significantly different from L-206 at 0.05 probability level

\*\* Laboratory analysis of milled rice samples provided by the USDA-ARS Rice Research Unit., Beaumont, TX.

**19. Exhibit C. Objective Variety Description – Rice – Attached.**

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

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U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY  
Rice (*Oryza sativa*)

NAME OF APPLICANT (S) California Cooperative Rice Research Foundation, Inc.	TEMPORARY OR EXPERIMENTAL DESIGNATION 99-Y-469	VARIETY NAME L-206
ADDRESS (Street and No. or RD No., City, State, and Zip Code, Country) Rice Experiment Station 955 Butte City Hwy. PO Box 306 Biggs, CA 95917		FOR OFFICIAL USE ONLY  PVPO NUMBER  <b>#200700081</b>

## PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code numbers corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeders will demonstrate distinctness more readily by describing as many characters as is possible.

## 1. MATURITY: Days to Heading (Seedling to 50% Heading)

A. South: (Location: \_\_\_\_\_) at \_\_\_\_\_ kg/ha (Nitrogen Rate)

\_\_\_\_ Number of Days

\_\_\_\_ Days Earlier Than Check Variety: \_\_\_\_\_

\_\_\_\_ Days Same As Check Variety: \_\_\_\_\_

\_\_\_\_ Days Later Than Check Variety: \_\_\_\_\_

\_\_\_\_ Maturity Class 1 = Very Early (85 Days or Less) 2 = Early (86 - 100)  
3 = Intermediate (101 - 115) 4 = Late (More Than 115)

B. California: (Location: Biggs, CA) at 120 kg/ha (Nitrogen Rate)82 Number of Days6 Days Earlier Than Check Variety: L-205

\_\_\_\_ Days Same As Check Variety: \_\_\_\_\_

\_\_\_\_ Days Later Than Check Variety: \_\_\_\_\_

2 Maturity Class 1 = Very Early (90 Days or Less) 2 = Early (91 - 97)  
3 = Intermediate (98 - 104) 4 = Late (More Than 104)

## 2. CULM:

1 Angle (Degrees from Perpendicular after Flowering):

1 = Erect (Less than 30°) 3 = Intermediate (About 45°) 5 = Open (About 60°)  
7 = Spreading (More than 60° but the culms do not rest on the ground)  
9 = Procrumbent (The culm or its lower part rests on the ground surface)



## 2. GLUME: (continued)

## LENGTH

86 • 0 cm (Soil level to top of extended panicle on main stem)6 • 0 cm Shorter Than Check Variety: L-205

Length Same as Check Variety: \_\_\_\_\_

\_\_\_\_\_ • \_\_\_\_\_ cm Longer than Check Variety: \_\_\_\_\_

1 Height Class: 1 = Semidwarf 2 = Short 3 = Medium 4 = Tall1 Internode Color: (After Flowering): 1 = Green 2 = Light Gold 3 = Purple Lines 4 = Purple1 Strength (Lodging Resistance): 1 = Strong (no Lodging) 3 = Moderately Strong (Most Plants Leaning)  
5 = Intermediate (Most Plants Lodged) 7 = Weak (Most Plants Flat)  
9 = Very Weak (All Plants Flat)

## 3. FLAG LEAF: (After Heading)

30 • 4 cm Length16 • 3 mm Width1 Pubescence: 1 = Glabrous 2 = Intermediate 3 = Pubescent1 Leaf Angle (After Heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending2 Blade Color: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple Tips  
5 = Purple Margins 6 = Purple Blotch 7 = Purple

\_\_\_\_\_ Basal Leaf Sheath Color: 1 = Green 2 = Purple Lines 3 = Light Purple 4 = Purple

## 4. LIGULE:

13 • 5 mm Length (From base of collar to the tip, at late vegetative stage)1 Color: (Late Vegetative Stage): 1 = White 2 = Purple Lines 3 = Purple2 Shape: 1 = Acute to Acuminate 2 = 2-Cleft 3 = Truncate1 Collar Color (Late Vegetative Stage): 1 = Pale Green 2 = Green 3 = Purple1 Auricle Color (Late Vegetative Stage): 1 = Pale Green 2 = Purple

## 5. PANICLE:

19 • 6 cm Length5 Type: 1 = Compact 5 = Intermediate 9 = Open3 Secondary Branching: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering1 Exsertion (Near Maturity): 1 = Less than 90% 2 = 90 – 99% 3 = 100% Exserted1 Axis: 1 = Straight 2 = Droopy1 Shattering: 1 = Very Low (Less Than 1%) 3 = Low (1 – 5%) 5 = Moderate (6 – 25%)  
7 = Moderately High (26 – 50%) 9 = High (More than 50%)2 Threshability: 1 = Difficult 2 = Intermediate 3 = Easy

## 6. GRAIN: (Spikelet)

0 Awns (After Full Heading): 0 = Absent 1 = Short and Partly Awned 5 = Short and Fully Awned  
7 = Long and Partly Awned 9 = Long and Fully Awned4 Apiculus Color (At Maturity) 1 = White 2 = Straw 3 = Brown (Tawny) 4 = Red  
5 = Red Apex 6 = Purple 7 = Purple Apex2 Stigma Color: 1 = White 2 = Light Green 3 = Yellow 4 = Light Purple 5 = Purple

## 6. GRAIN: (Spikelet)

0 Lemma and Palea Color (At Maturity):

0 = Straw  
 3 = Brown Furrows on Straw  
 6 = Purple Spots on Straw  
 9 = Black  
 1 = Gold and/or Gold Furrows on Straw Background  
 4 = Brown (Tawny)  
 7 = Purple Furrows on Straw  
 10 = White  
 2 = Brown Spots on Straw (Piebald)  
 5 = Reddish to Light Purple  
 8 = Purple

2 Lemma and Palea Pubescence:

1 = Glabrous  
 4 = Short Hairs  
 2 = Hairs on Lemma Keel  
 5 = Long Hairs (Velvety)  
 3 = Hairs on Upper Portion

1 Spikelet Sterility (At Maturity):

1 = Highly Fertile (> 90%)  
 7 = Highly Sterile (< 50% to Trace)  
 3 = Fertile (75 – 90%)  
 9 = Completely Sterile (0%)  
 5 = Partly Sterile (50 – 74%)

## 7. GRAIN: (Seed)

2 Seed Coat (Bran) Color:

1 = White  
 5 = Red  
 2 = Light Brown  
 6 = Variable Purple  
 3 = Speckled Brown  
 7 = Purple  
 4 = Brown

1 Endosperm Type:

1 = Nonglutinous (Nonwaxy)  
 2 = Glutinous (Waxy)  
 3 = Indeterminate

1 Endosperm Translucency:

1 = Clear  
 5 = Intermediate  
 9 = Opaque

1 Endosperm Chalkiness:

0 = None  
 5 = Medium (10 – 20% of Sample)  
 1 = Small (Less than 10% of Sample)  
 9 = Large (More than 20% of Sample)

0 Scent (Aroma):

0 = Nonscented  
 1 = Lightly Scented  
 2 = Scented

Shape Class (Length/Width Ratio):

3 Paddy

1 = Short (2.2:1 and Less)  
 2 = Medium (2.3:1 to 3.3:1)  
 3 = Long (3.4:1 and More)

3 Brown

1 = Short (2.0:1 and Less)  
 2 = Medium (2.1:1 to 3.0:1)  
 3 = Long (3.1:1 and More)

3 Milled

1 = Short (1.9:1 and Less)  
 2 = Medium (2.0:1 to 2.9:1)  
 3 = Long (3.0:1 and More)

Measurements:

Grain Form

Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
10.4	2.5	—	4.2	28.4
8.2	2.2	—	3.7	23.3
7.3	2.1	—	3.5	20.8

Paddy

Brown

Milled

21.0 Milling Quality (% Hulls)

62.8

Milling Yield (% White Kernel (head) Rice to Rough Rice)

— % Protein

22.8 % Amylose

Alkali Spreading Value: — 1.5% KOH Solution

3–5 1.7% KOH Solution

5 Gelatination Temperature Type:

1 = High  
 5 = Intermediate  
 7 = Low

Amylographic Paste Viscosity (Brabender Units)

Peak

Hot Paste

Cooled Paste

"Breakdown" "Setback"

252

161

298

91/46

## 8. RESISTANCE TO LOW TEMPERATURE:

2 Germination and Seedling Vigor:

1 = Low  
 2 = Medium  
 3 = High

2 Flowering (Spikelet Fertility):

1 = Low  
 2 = Medium  
 3 = High

## 9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE:

2 Vigor:

1 = Low  
 2 = Medium  
 3 = High

10. BLAST RESISTANCE: (*Pyricularia oryzae*). (International races found under References)

0 = Immune		1 = Resistant		3 = Moderately Resistant		5 = Intermediate		7 = Moderately Susceptible		9 = Susceptible	
Group		IB		IC		ID		IE		IG	IH
Number	1	5	45	49	54	1	17	1	13	1	1
Resistance										9	

## 11. RESISTANCE TO OTHER DISEASES:

0 = Immune      1 = Resistant      3 = Moderately Resistant      5 = Intermediate      7 = Moderately Susceptible      9 = Susceptible

- |  |  |
|--|--|
| <input type="checkbox"/> Narrow Brown Leaf Spot ( <i>Cerospora oryzae</i> )  | <input checked="" type="checkbox"/> 5 Aggregate Sheath Spot ( <i>Rhizoctonia oryzae-sativae</i> )    |
| <input type="checkbox"/> Leaf Smut ( <i>Entyloma oryzae</i> )  | <input type="checkbox"/> Straight Head   |
| <input type="checkbox"/> Brown Leaf Spot ( <i>Helminthosporium oryzae</i> )<br>(= <i>Bipolaris oryzae</i> )<br>(= <i>Drechslera oryzae</i> ) | <input type="checkbox"/> Kernel Smut ( <i>Neovossia horrida</i> )<br>(= <i>Tilletia barclayana</i> ) |
| <input type="checkbox"/> Leaf Scald ( <i>Gerlachia oryzae</i> )  | <input type="checkbox"/> White Tip Nematode ( <i>Aphelenchoides besseyi</i> )                        |
| <input type="checkbox"/> Hoja Blanca Virus   | <input checked="" type="checkbox"/> 5 Stem Rot ( <i>Sclerotium oryzae</i> )                          |
| <input type="checkbox"/> Sheath Rot ( <i>Sarocladium oryzae</i> )  | <input type="checkbox"/> Bacterial Blight ( <i>Xanthomonas campestris pv. oryzae</i> )               |
| <input type="checkbox"/> Pythium Seedling Blight ( <i>Pythium</i> sp.)   | <input type="checkbox"/> Sheath Blight ( <i>Rhizoctonia solani</i> )                                 |
| <input type="checkbox"/> Sheath Spot ( <i>Rhizoctonia oryzae</i> )   |  |
| <input type="checkbox"/> Other: _____  |  |

## 12. INSECT RESISTANCE:

0 = Immune      1 = Resistant      3 = Moderately Resistant      5 = Intermediate      7 = Moderately Susceptible      9 = Susceptible

- |  |  |
|--|--|
| <input type="checkbox"/> Grasshopper     | <input type="checkbox"/> Rice Stink Bug ( <i>Oegalus pugnax</i> )                            |
| <input type="checkbox"/> Rice Leafhopper | <input type="checkbox"/> Swarm Caterpillar   |
| <input type="checkbox"/> Rice Hispa      | <input checked="" type="checkbox"/> 9 Rice Water Weevil ( <i>Lissorhoptrus oryzophilus</i> ) |
| <input type="checkbox"/> Rice Midge      | <input type="checkbox"/> Rice Stalk Borer ( <i>Chilo plejadellus</i> )                       |
| <input type="checkbox"/> Least Skipper   | <input type="checkbox"/> Sugarcane Borer ( <i>Diatraea saccharalis</i> )                     |

## 13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

## REFERENCES

- C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.
- J. G. Atkins *et al.* 1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. Phytopath. 57:297-301.
- IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryzae Sativa* L. International Rice Research Institute. 21 pp.
- K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. Phytopath. 59:339-342.
- B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI), Los Branos, Philippines. P. 25-35.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)  California Cooperative Rice Research Foundation, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  99-Y-469	3. VARIETY NAME  L-206
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  Rice Experiment Station 955 Butte City Hwy. PO Box 306 Biggs, CA 95917	5. TELEPHONE (Include area code)  (530) 868-5481	6. FAX (Include area code)  (530) 868-1730
7. PVPO NUMBER  <b>#200700081</b>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).


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**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705**

**EXHIBIT F  
DECLARATION REGARDING DEPOSIT**

<b>NAME OF OWNER (S)</b>  California Cooperative Rice Research Foundation, Inc.	<b>ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)</b>  955 Butte City Hwy. PO Box 306 Biggs, CA 95917	<b>TEMPORARY OR EXPERIMENTAL DESIGNATION</b>  99-Y-469  <b>VARIETY NAME</b> L-206
<b>NAME OF OWNER REPRESENTATIVE (S)</b>  Kent S. McKenzie	<b>ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)</b>  955 Butte City Hwy. PO Box 306 Biggs, CA 95917	<b>FOR OFFICIAL USE ONLY</b>  <b>PVPO NUMBER</b> <b>#200700081</b>

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

  
 Signature

12-20-06  
 Date